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What is claimed is:

- 1. A method for applying individualized calibrated tone-reproduction curves on a single page basis to enable printing of image data associated with a job having a plurality of pages, comprising the steps of:
- (a) providing a plurality of calibrated tone-reproduction curves, each calibrated tone-reproduction curve corresponding to a distinct media type;
 - (b) assigning a first media type to a first group of pages in the job;
 - (c) assigning a second media type to a second group of pages in the job;
 - (d) receiving a page of image data to be printed:
- (e) selecting a calibrated tone-reproduction curve for the received page of image data based on the assigned media type; and
- (f) applying the selected calibrated tone-reproduction curve to print the page of image data.
 - 2. The method as claimed in claim 1, further comprising the step of:
- (g) printing of image data on a xerographic printing device using the selected calibrated tone-reproduction curve.
 - 3. The method as claimed in claim 1, further comprising the step of:
 - (g) determining a halftone to be used in printing the image data;

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said step (a) providing a plurality of calibrated tone-reproduction curves, each

calibrated tone-reproduction curve corresponding to a distinct halftone type and media

type combination;

said step (e) selecting a calibrated tone-reproduction curve based on the assigned

media type and determined halftone type.

4. The method as claimed in claim 1, further comprising the steps of:

(g) performing a plurality of calibration operations, each calibration operation

using a distinct media type;

(h) generating a tone-reproduction curve for each media type; and

(i) storing the generated the tone-reproduction curves;

said step (a) providing a plurality of stored calibrated tone-reproduction curves,

each stored calibrated tone-reproduction curve corresponding to a distinct media type.

5. The method as claimed in claim 1, further comprising the steps of:

(g) performing a plurality of calibration operations, each calibration operation

using a distinct media type and halftone type combination;

(h) generating a tone-reproduction curve for each media type and halftone type

combination;

(i) storing the generated the tone-reproduction curves; and

(j) determining a halftone to be used in printing the image data;

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said step (a) providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct media type and

halftone type combination;

said step (e) selecting a calibrated tone-reproduction curve based on the assigned

media type and determined halftone type.

6. The method as claimed in claim 1, further comprising the steps of:

(g) performing a plurality of calibration operations, each calibration operation

using a distinct media type;

(h) generating a tone-reproduction curve for each media type calibration;

(i) comparing the plurality of tone-reproduction curves to group tone-reproduction

curves having similar characteristics;

(i) selecting a single tone-reproduction curve from a group of tone-reproduction

curves having similar characteristics, each single tone-reproduction curve being the tone-

reproduction curve associated with the media types that generated the tone-reproduction

curve having similar characteristics;

(k) storing selected and non-grouped tone-reproduction curves; and

(1) generating a map to link a stored tone-reproduction curve to a media type, a

stored tone-reproduction curve being capable of being mapped to more than one media

type;

said step (a) providing a plurality of stored calibrated tone-reproduction curves,

each stored calibrated tone-reproduction curve corresponding to a distinct media type.

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7. The method as claimed in claim 1, further comprising the steps of:

(g) performing a plurality of calibration operations, each calibration operation

using a distinct media type and halftone type combination;

(h) generating a tone-reproduction curve for each media type and halftone type

combination calibration;

(i) comparing the plurality of tone-reproduction curves to group tone-reproduction

curves having similar characteristics;

(j) selecting a single tone-reproduction curve from a group of tone-reproduction

curves having similar characteristics, each single tone-reproduction curve being the tone-

reproduction curve associated with the media type and halftone type combinations that

generated the tone-reproduction curve having similar characteristics;

(k) storing selected and non-grouped tone-reproduction curves; and

(1) generating a map to link a stored tone-reproduction curve to a media type and

halftone type combination, a stored tone-reproduction curve being capable of being

mapped to more than one media type and halftone type combination; and

(m) determining a halftone to be used in printing the image data;

said step (a) providing a plurality of stored calibrated tone-reproduction curves,

each stored calibrated tone-reproduction curve corresponding to a distinct media type and

halftone type combination;

said step (e) selecting a calibrated tone-reproduction curve based on the assigned

media type and determined halftone type.

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8. A system for applying individualized calibrated tone-reproduction curves on a

single page basis to enable printing of image data associated with a job having a plurality

of pages, comprising:

a storage device to store and provide a plurality of calibrated tone-reproduction

curves, each calibrated tone-reproduction curve corresponding to a distinct media type;

an input device to assign a first media type to a first group of pages in the job and

to assign a second media type to a second group of pages in the job; and

a processor to receiving a page of image data to be printed, to select a calibrated

tone-reproduction curve for the received page of image data based on the assigned media

type, and to apply the selected calibrated tone-reproduction curve to print the page of

image data.

9. The system as claimed in claim 8, further comprising:

a xerographic printing device using the selected calibrated tone-reproduction

curve to print images.

10. The system as claimed in claim 8, wherein:

said input device selects a halftone to be used in printing the image data;

said storage device provides a plurality of calibrated tone-reproduction curves,

each calibrated tone-reproduction curve corresponding to a distinct halftone type and

media type combination;

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said processor selects a calibrated tone-reproduction curve based on the assigned

media type and selected halftone type.

11. The system as claimed in claim 8, further comprising:

calibration means for performing a plurality of calibration operations, each

calibration operation using a distinct media type;

said calibration means generating a tone-reproduction curve for each media type;

said storage device storing the generated the tone-reproduction curves and

providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated

tone-reproduction curve corresponding to a distinct media type.

12. The system as claimed in claim 8, further comprising:

calibration means for performing a plurality of calibration operations, each

calibration operation using a distinct media type;

said calibration means generating a tone-reproduction curve for each media type;

said input device selecting a halftone to be used in printing the image data;

said storage device storing the generated the tone-reproduction curves and

providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated

tone-reproduction curve corresponding to a distinct halftone type and media type

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said processor selecting a calibrated tone-reproduction curve based on the

assigned media type and selected halftone type.

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13. The system as claimed in claim 8, further comprising:

calibration means for performing a plurality of calibration operations, each

calibration operation using a distinct media type;

said calibration means generating a tone-reproduction curve for each media type

calibration;

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said calibration means comparing the plurality of tone-reproduction curves to

group tone-reproduction curves having similar characteristics;

said calibration means selecting a single tone-reproduction curve from a group of

tone-reproduction curves having similar characteristics, each single tone-reproduction

curve being the tone-reproduction curve associated with the media types that generated

the tone-reproduction curve having similar characteristics;

said storage device storing selected and non-grouped tone-reproduction curves;

said calibration means generating a map to link a stored tone-reproduction curve

to a media type, a stored tone-reproduction curve being capable of being mapped to more

than one media type;

said storage device providing a plurality of stored calibrated tone-reproduction

curves, each stored calibrated tone-reproduction curve corresponding to a distinct media

type.

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14. The system as claimed in claim 8, further comprising:

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calibration means for performing a plurality of calibration operations, each

calibration operation using a distinct media type and halftone type combination;

said calibration means generating a tone-reproduction curve for each media type

and halftone type combination calibration;

said calibration means comparing the plurality of tone-reproduction curves to

group tone-reproduction curves having similar characteristics;

said calibration means selecting a single tone-reproduction curve from a group of

tone-reproduction curves having similar characteristics, each single tone-reproduction

curve being the tone-reproduction curve associated with the media type and halftone type

combinations that generated the tone-reproduction curve having similar characteristics;

said storage device storing both selected and non-grouped tone-reproduction

curves;

said calibration means generating a map to link a stored tone-reproduction curve

to a media type and halftone type combination, a stored tone-reproduction curve being

capable of being mapped to more than one media type and halftone type combination; and

said input device selecting a halftone to be used in printing the image data;

said storage device providing a plurality of stored calibrated tone-reproduction

curves, each stored calibrated tone-reproduction curve corresponding to a distinct media

type and halftone type combination;

said processor selecting a calibrated tone-reproduction curve based on the

assigned media type and selected halftone type.

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15. The system as claimed in claim 8, further comprising:

an auto-segmentation circuit to determine a halftone to be used in printing the image data;

said storage device providing a plurality of calibrated tone-reproduction curves, each calibrated tone-reproduction curve corresponding to a distinct halftone type and media type combination;

said processor selecting a calibrated tone-reproduction curve based on the assigned media type and determined halftone type.

16. The system as claimed in claim 8, further comprising:

calibration means for performing a plurality of calibration operations, each calibration operation using a distinct media type;

said calibration means generating a tone-reproduction curve for each media type; and

an auto-segmentation circuit to determine a halftone to be used in printing the image data;

said storage device storing the generated the tone-reproduction curves and providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct halftone type and media type combination;

said processor selecting a calibrated tone-reproduction curve based on the assigned media type and determined halftone type.

- 17. A method for applying individualized calibrated tone-reproduction curves on a single page basis to enable printing of image data associated with a job having a plurality of pages, comprising the steps of:
- 5 (a) performing a plurality of calibration operations, each calibration operation using a distinct media type;
 - (b) generating a tone-reproduction curve for each media type:
 - (c) storing the generated the tone-reproduction curves;
 - (d) assigning a first media type to a first group of pages in the job;
 - (e) assigning a second media type to a second group of pages in the job;
 - (f) receiving a page of image data to be printed;
 - (g) selecting a calibrated tone-reproduction curve for the received page of image data based on the assigned media type; and
 - (h) applying the selected calibrated tone-reproduction curve to print the page of image data.
 - 18. The method as claimed in claim 17, further comprising the step of:
 - (i) printing of image data on a xerographic printing device using the selected calibrated tone-reproduction curve.